

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-16. (Cancelled)

17. (Currently Amended) An isolated nucleic acid comprising a sequence of at least 500 bases, the sequence hybridizing under stringent conditions to SEQ ID NO: 1 or the complementary sequence thereof, wherein the nucleic acid encodes a polypeptide that binds to DNA containing one or more copies of a TATCCA sequence, and enhances the expression of a gene operatively linked to one or more copies of a TATCCA sequence in the absence of glucose.

18. (Previously Presented) The nucleic acid of claim 17, wherein the sequence is SEQ ID NO: 1.

19. (Previously Presented) The nucleic acid of claim 17, wherein the nucleic acid encodes a polypeptide containing an amino acid sequence at least 95% identical to SEQ ID NO: 7.

20. (Previously Presented) The nucleic acid of claim 19, wherein the nucleic acid encodes a polypeptide containing SEQ ID NO: 7.

21. (Cancelled)

22. (Previously Presented) An isolated cell comprising the nucleic acid of claim 17, wherein the nucleic acid is expressed.

23. (Previously Presented) An isolated cell comprising the nucleic acid of claim 20.

24. (Previously Presented) A transgenic plant comprising a transgene that contains the nucleic acid of claim 17, wherein the nucleic acid is expressed.

25. (Previously Presented) The transgenic plant of claim 24, wherein the plant is a monocot plant.

26. (Previously Presented) The transgenic plant of claim 25, wherein the plant is a cereal plant.

27. (Previously Presented) The transgenic plant of claim 26, wherein the plant is rice.

28. (Previously Presented) The transgenic plant of claim 26, wherein the plant is barley.

29. (Previously Presented) A transgenic plant that contains the nucleic acid of claim 20.

30. (Previously Presented) The transgenic plant of claim 29, wherein the plant is a monocot plant.

31. (Previously Presented) The transgenic plant of claim 30, wherein the plant is a cereal plant.

32. (Previously Presented) The transgenic plant of claim 31, wherein the plant is rice.

33. (Previously Presented) The transgenic plant of claim 31, wherein the plant is barley.

34. (Currently Amended) A method of expressing a transcript in an isolated cell, the method comprising:

introducing a vector into an isolated cell, the vector containing a nucleic acid encoding a transcript; and

expressing the transcript in the cell;

wherein the transcript is characterized in that it hybridizes under stringent conditions to SEQ ID NO: 1 or the complementary sequence thereof, and the nucleic acid encodes a polypeptide that binds to DNA containing one or more copies of a TATCCA sequence, and enhances the expression of a gene operatively linked to one or more copies of a TATCCA sequence in the absence of glucose.

35. (Previously Presented) The method of claim 34, wherein the nucleic acid encodes a polypeptide containing an amino acid sequence at least 95% identical to SEQ ID NO: 7.

36-41. (Cancelled)

42. (Previously Presented) The method of claim 35, wherein the sequence of the polypeptide consists of SEQ ID NO: 7.

43-46. (Canceled)

44. (Previously Presented) The method of claim 35, wherein the sequence of the polypeptide consists of SEQ ID NO: 7.

45. (Canceled )

46. (Canceled)

47. (Previously Presented) The isolated nucleic acid of claim 19, wherein the amino acid sequence of the encoded polypeptide consists of SEQ ID NO: 7.

Applicant : Su-May Yu  
Serial No. : 10/630,636  
Filed : July 30, 2003  
Page : 5 of 9

Attorney's Docket No.: 08919-088001 / 13A-910410

48-51. (Cancelled)